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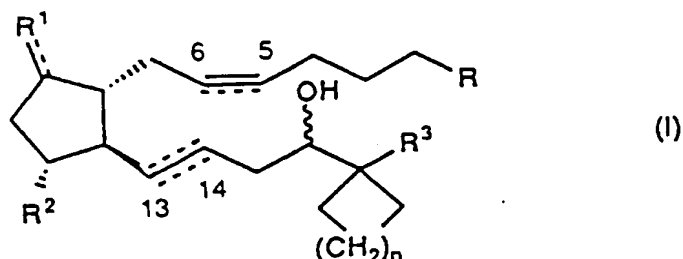
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(54) Omega-cycloalkyl-prostaglandin E<sub>2</sub> derivatives(57) ω-Cycloalkyl-prostaglandin E<sub>2</sub> derivatives of formula (I)

wherein R is carboxy or hydroxymethyl; R<sup>1</sup> is oxo, methylene or halogen atom; R<sup>2</sup> is H, OH or C1-4 alkoxy; R<sup>3</sup> is H, C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, C1-8 alkyl, C2-8 alkenyl or C2-8 alkynyl substituted by 1-3 substituents selected from halogen atom, C1-4 alkoxy, C3-7 cycloalkyl, phenyl, and phenyl substituted by 1-3 substituents selected from halogen atom, C1-4 alkyl, C1-4 alkoxy, nitro and trifluoromethyl; n is 0-4;

and non-toxic salts thereof, prodrugs thereof and cyclodextrin clathrates thereof strongly bind on the EP<sub>2</sub> subtype receptor. Therefore, they are useful for prevention and/or treatment of immunological diseases (autoimmune diseases, organ transplantation, etc.), asthma, abnormal bone formation, neuronal cell death, liver damage, abortion, premature birth or retina neuropathy of glaucoma etc.

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# EUROPEAN SEARCH REPORT

Application Number  
EP 98 30 0769

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			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C07C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 4 May 1999	Examiner Berte, M
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03/82 (P4/C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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